

Conquest Ablaze

by Arya Akhavan (November 2015)

Angles for R.I. = 1.540

78 + 24 girdles = 102 facets

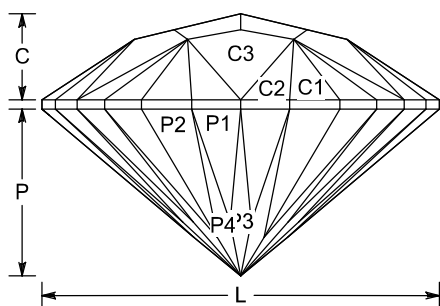
6-fold, mirror-image symmetry

96 index

$L/W = 1.053$

$P/W = 0.441$ $C/W = 0.227$

$Vol./W^3 = 0.222$



PAVILION

P1	41.63°	01-15-17-31-33-47-49-63-65-79-81-95	Cut to centerpoint.
P2	41.10°	04-12-20-28-36-44-52-60-68-76-84-92	Meet at culet.
G1	90.00°	01-15-17-31-33-47-49-63-65-79-81-95	Set stone size.
G2	90.00°	04-12-20-28-36-44-52-60-68-76-84-92	Level girdle.
P3	41.42°	96-16-32-48-64-80	Meet P1, G1
P4	41.00°	03-13-19-29-35-45-51-61-67-77-83-93	Meet P1, P2, G1, G2; culet

CROWN

C1	34.11°	04-12-20-28-36-44-52-60-68-76-84-92	Set girdle width.
C2	33.01°	01-15-17-31-33-47-49-63-65-79-81-95	Level girdle.
C3	32.00°	96-16-32-48-64-80	Meet G1, C2; C1, C2
C4	13.45°	08-24-40-56-72-88	Meet C1, C2, C3

This design uses the pavilion of my "Coruscating Dome 96", but achieves a totally different effect, and everything changes rapidly and dramatically as RI and/or dispersion increase. You can pretty reasonably cut it crown-first in reverse order, and that should make it easier. Works in materials from quartz to rutile (RI = 1.52 - 2.62) with no changes, and quite honestly I think it'll look absolutely awesome in all of them.

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